

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20	"5412951"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 17:17
S13	14	("4114380"   "4717405"   "5275002"   "5335505"   "5412952"   "5615556"   "5904046"   "6021643"   "6032464"   "6233946"   "6389819"   "6434947"   "6725670"   "6938426").PN. OR ("7104055").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 13:02
S14	19	((("6644038") or ("6640553") or ("6604363") or ("6578364") or ("6378312") or ("6374617") or ("5363077") or ("5129232")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/07/15 13:21
S15	8	((("6644038") or ("6640553") or ("6604363") or ("6578364") or ("6378312") or ("6374617") or ("5363077") or ("5129232")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/15 13:21
S16	2	("6032464").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/07/15 14:20
S17	0	("wo4001303").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/07/15 14:27

S18	0	wo04001303	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 14:27
S19	1	wo04/001303	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 14:27
S20	35535	matsubara.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 14:27
S21	4008	matsubara.in. pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 14:28
S22	1049	matsubara.in. pressure heat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 14:28
S23	30	matsubara.in. pressure heat oscillation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 14:28
S24	19	matsubara.in. pulse near tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/07/15 14:30
S25	21	("4114380"   "4355517"   "4398398"   "4489553"   "4858441"   "4953366"   "5139242"   "5146123"   "5303555"   "5389844"   "5953920"   "5996345"   "6079214"   "6353987").PN. OR ("6604363").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 14:34
S26	1	"20020178736"	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 14:36
S27	20	(dual with piston) pulse near tube	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 14:41
S28	213	(dual with piston) resonance	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 14:55

S29	1029	(dual with piston) vibration	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 14:56
S30	179	(dual with piston) same vibration	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 14:56
S31	3	(dual with piston) same vibration same resonance	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 14:56
S32	12	(dual with piston) same vibration pulse near tube	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 15:01
S33	32	(dual with piston) same vibration with (dampen reduce  reduction)	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 15:07
S34	22	(dual with piston) same vibration stirling	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 15:11
S35	426	lee.in. distillation natural near gas	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 15:38
S36	421	lee.in. distillation natural near gas liquid gas	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 15:38
S37	154	lee.in. distillation (natural near gas) liquid gas compressor column	US-PGPUB; USPAT; USOCR	AND	ON	2010/07/15 15:38

7/ 15/ 2010 5:22:28 PM

H:\ Work\ 10-551372\ 10-551372.wsp